



# Power converters for **HARSH ENVIROMENT**



## 200W DC-DC Converter OHD200-1-1

### Product Features

- Fully enclosed and conformal coated for harsh environment
- Conduction cooling (Base plate)
- Isolated output (IN-OUT, IN-GND: 100VDC)
- No external EMI filter required
- Fully protected for Overload /Short, Over-voltage and Over-Temperature

### SPECIFICATIONS:

<b>Input characteristics</b>	
Input voltage (VDC) (*1)	18 ~ 48
Reverse Polarity Protection	√
<b>Output characteristics</b>	
Output Voltage (VDC)	28
Output current (ADC)	7
Pulse Current (ADC)	12 (for 2sec)
Output ripple (mV pk-pk)	50
Line, Load & Temperature regulation (%)	±1
Current Limit, Fold-back (% of rated current)	110-130
Over Voltage Protection	Latch/Non-Latch (User selectable)
Over Temperature Protection	100°C with AUTO Recovery
Load Transient Overshoot and Undershoot	<1.5% (10%-90% Load change) with <100ms back to steady state.
<b>Interface</b>	
Inhibit	Input signal, External signal, TTL "1"- PS ON, TTL "0"- PS OFF
External Sync (Optional)	Input signal, External clock 312.5KHz (D.C :50%)
Output "GOOD"	Output signal, TTL "1" = OK , TTL "0" = NG
<b>Environmental</b>	
Operating Temperature	-55°C - +85°C (Base Plate)
MTBF	500,000 Hours
<b>Mechanical</b>	
Size	4.2" x 2.5" x 0.5" (106.7mm x 63.5mm x 12.7mm)
Weight	0.33LBs (150gr)
Cooling	Base Plate

NOTE:

(\*1) 80VDC for 100msec, 100VDC for 50msec

Connector 30pin (RM272-030-322-2900 Airborn):

PIN #	FUNCTION
10, 11, 23, 24, 25	+ VIN
12, 13, 26, 27, 28	- VIN
1, 2, 3, 16, 17, 18	+ Vout
4, 5, 6, 19, 20, 21	- Vout
30	Input Signal RTN
29	INHIBIT
14	N.C
15	Sync. IN
30	Input Signal RTN
22	+ VOUT Sense
8	- VOUT Sense
7	N.C
9	Output Good
22	+ VOUT Sense